

COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 6

#6
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In the Application of AZPIROZ et al.

Serial No.: 09/502,426

Art Unit: Unassigned

Filed: February 11, 2000

Examiner: Unassigned

Title: *dwf4* POLYNUCLEOTIDES, POLYPEPTIDES AND USES THEREOF

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
	AA-1						

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES	NO
	AB-1							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
<i>Am</i>	AC-1	Azpiroz et al., "An Arabidopsis Brassinosteroid-Dependent Mutant is Blocked in Cell Elongation," <i>Plant Cell</i> <u>10</u> :219-230 ((1998)
<i>↓</i>	AD-1	Barendse et al., "The role of Endogenous Gibberellins During Fruit and Seed Development: Studies on Gibberellin-Deficient Genotypes of <i>Arabidopsis thaliana</i> ," <i>Physiol. Plant.</i> <u>67</u> :315-319 (1986)
<i>↓</i>	AE-1	Bishop et al., "The Tomato <i>Dwarf</i> Gene Isolated by Heterologous Transposon Tagging Encodes the First Member of a New Cytochrome P450 Family," <i>Plant Cell</i> <u>8</u> :959-969 (1996)

Examiner: *[Signature]*

Date Considered: *11/30/01*

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Sheet 2 of 6

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Serial No.: 09/502,426

Art Unit: Unassigned

Filed: February 11, 2000

Examiner: Unassigned

Title: *dwf4* POLYNUCLEOTIDES, POLYPEPTIDES AND USES THEREOF

Exam. Init.	Ref. Desig.	Description
	AF-1	Choe et al., "The <i>DWF4</i> Gene of <i>Arabidopsis</i> Encodes a Cytochrome Pr450 That Mediates Multiple 22 _α -Hydroxylation Steps in Brassinosteroid Biosynthesis," <i>The Plant Cell</i> <u>10</u> (2):231-244 (1998)
	AG-1	Choi et al., "An Alternative Brassinolide Biosynthetic Pathway Via Late C-6 Oxidation," <i>Phytochemistry</i> <u>44</u> (4):609-613 (1997)
	AH-1	Chory et al., "A Role for Cytokinins in De-Etiolation in <i>Arabidopsis</i> ," <i>Plant Physiol.</i> <u>104</u> :339-347 (1994)
	AI-1	Chory et al., " <i>Arabidopsis thaliana</i> Mutant That Develops as a Light-Grown Plant in the Absence of Light," <i>Cell</i> <u>58</u> :991-999 (1989)
	AJ-1	Clouse et al., "A Brassinosteroid-Insensitive Mutant in <i>Arabidopsis thaliana</i> Exhibits Multiple Defects in Growth and Development," <i>Plant Physiol.</i> <u>111</u> :671-678 (1996)
	AK-1	Deng, X.W., "Fresh View of Light Signal Transduction in Plants," <i>Cell</i> <u>76</u> :423-426 (1994)
	AL-1	Deng and Quail, "Genetic and Phenotype Characterization of <i>cop 1</i> Mutants of <i>Arabidopsis thaliana</i> ," <i>The Plant Journal</i> <u>2</u> (1):83-95 (1992)
	AM-1	Feldmann et al., "A Dwarf Mutant of <i>Arabidopsis</i> Generated by T-DNA Insertion Mutagenesis," <i>Science</i> <u>243</u> :1351-1354 (1989)
	AN-1	Fujioka et al., "The <i>Arabidopsis deetiolated2</i> Mutant is Blocked Early in Brassinosteroid Biosynthesis," <i>Plant Cell</i> <u>9</u> :1951-1962 (1997)

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Sheet 3 of 6

In the Application of AZPIROZ et al.



Serial No.: 09/502,426

Art Unit: Unassigned

Filed: February 11, 2000

Examiner: Unassigned

Title: *dwf4* POLYNUCLEOTIDES, POLYPEPTIDES AND USES THEREOF

Exam. Init.	Ref. Desig.	Description
	AO-1	Fujioka et al., "Identification of Castasterone, 6-Deoxocastasterone, Typhasterol and 6-Deoxotyphasterol from the Shoots of <i>Arabidopsis thaliana</i> ," <i>Plant Cell Physiol.</i> <u>37</u> (8):1201-1203 (1996)
	AP-1	Fujioka and Sakurai, "Brassinosteroids," <i>Nat. Prod. Rep.</i> <u>14</u> :1-10 (1997a)
	AQ-1	Fujioka and Sakurai, "Biosynthesis and Metabolism of Brassinosteroids," <i>Physiologia Plantarum</i> <u>100</u> :710-715 (1997b)
	AR-1	Grove et al., "Brassinolide, a Plant Growth-Promoting Steroid Isolated From <i>Brassica napus</i> Pollen," <i>Nature</i> <u>281</u> :216-217 (1979)
	AS-1	Hou et al., "A New Class of <i>Arabidopsis</i> Constitutive Photomorphogenic Genes Involved in Regulating Cotyledon Development," <i>Plant Cell</i> <u>5</u> :329-339 (1993)
	AT-1	Kauschmann et al., "Genetic Evidence for an Essential Role of Brassinosteroids in Plant Development," <i>Plant Journal</i> <u>9</u> :701-713 (1996)
	AU-1	Koornneef et al. "A Gibberellin Insensitive Mutant of <i>Arabidopsis thaliana</i> ," <i>Physiol Plant.</i> <u>65</u> :33-39 (1985)
	AV-1	Koornneef and Van der Veen, "Induction and Analysis of Gibberellin Sensitive Mutants in <i>Arabidopsis thaliana</i> (L.) Heynh," <i>Theor. Appl. Genet.</i> <u>58</u> :257-263 (1980)
	AW-1	Li et al., "A Role for Brassinosteroids in Light-Dependent Development of <i>Arabidopsis</i> ," <i>Science</i> <u>272</u> :398-401 (1996)
	AX-1	Li et al., "Conservation Function Between Mammalian and Plant Steroid 5 α -Reductases," <i>Proc. Natl. Acad. Sci. USA</i> <u>94</u> :3554-3559 (1997)

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Sheet 4 of 6

In the Application of AZPIROZ et al.

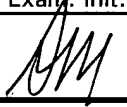








Serial No.: 09/502,426

Art Unit: Unassigned

Filed: February 11, 2000

Examiner: Unassigned

Title: *dwf4* POLYNUCLEOTIDES, POLYPEPTIDES AND USES THEREOF

Exam. Init.	Ref. Desig.	Description
	AY-1	Li and Chory, "A Putative Leucine-Rich Repeat Receptor Kinase Involved in Brassinosteroid Signal Transduction," <i>Cell</i> <u>90</u> :929-938 (1997)
	AZ-1	Mandava, "Plant Growth-Promoting Brassinosteroids," <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> <u>39</u> :23-52 (1988)
	BA-1	Mitchell et al., "Brassins-a New Family of Plant Hormones from Rape Pollen," <i>Nature</i> <u>225</u> :1065-1066 (1970)
	BB-1	Mushegian and Koonin, "A Putative FAD-Binding Domain in a Distinct Group of Oxidases Including a Protein Involved in Plant Development," <i>Protein Science</i> <u>4</u> :1243-1244 (1995)
	BC-1	Nomura et al., "Blockage of Brassinosteroid Biosynthesis and Sensitivity Causes Dwarfism in Garden Pea," <i>Plant Physiol.</i> <u>113</u> :31-37 (1997)
	BD-1	Rees, "Biosynthesis of Ecdysone," In Comprehensive Insect Physiology, Biochemistry and Pharmacology, G. A Kerkut and L.I. Gilbert, eds (Oxford, U.K: Pergamon Press, pp. 249-293 (1985)
	BE-1	Sakurai and Fujioka, "Studies on Biosynthesis of Brassinosteroids," <i>Biosci. Biotechnol. Biochem.</i> <u>61</u> :757-762 (1997)
	BF-1	Szekeres et al., "Brassinosteroids Rescue the Deficiency of CYP90, a Cytochrome P450, Controlling Cell Elongation and De-etiolation in Arabidopsis," <i>Cell</i> <u>85</u> :171-182 (1996)
	BG-1	Takahashi et al., "The DIMINUTO Gene of <i>Arabidopsis</i> is Involved in Regulating Cell Elongation," <i>Genes & Development</i> <u>9</u> :97-107 (1995)

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In the Application of AZPIROZ et al.

Serial No.: 09/502,426

Art Unit: Unassigned

Filed: February 11, 2000

Examiner: Unassigned

Title: *dwr4* POLYNUCLEOTIDES, POLYPEPTIDES AND USES THEREOF

Exam. Init.	Ref. Desig.	Description
	BH-1	Talon et al., "Endogenous Gibberellins in <i>Arabidopsis thaliana</i> and Possible Steps Blocked in the Biosynthetic Pathways of the Semidwarf <i>ga4</i> and <i>ga5</i> Mutants," <i>Proc. Natl. Acad. Sci USA</i> <u>87</u> :7983-7987 (1990)
	BI-1	Timpte et al., "Effects of the <i>axr2</i> Mutation of <i>Arabidopsis</i> on Cell Shape in Hypocotyl and Inflorescence," <i>Planta</i> <u>188</u> :271-278 (1992)
	BJ-1	Timpte et al., "The <i>axr2-1</i> Mutation of <i>Arabidopsis thaliana</i> is a Gain-of-Function Mutation that Disrupts an Early Step in Auxin Response," <i>Genetics</i> <u>138</u> :1239-1249 (1994)
	BK-1	Wei et al., " <i>Arabidopsis COP8</i> , <i>COP10</i> , and <i>COP11</i> Genes are Involved in Repression of Photomorphogenic Development in Darkness," <i>Plant Cell</i> <u>6</u> :629-643 (1994)
	BL-1	Wei and Deng, " <i>COP9</i> : A New Genetic Locus Involved in Light-Regulated Development and Gene Expression in <i>Arabidopsis</i> ," <i>Plant Cell</i> <u>4</u> :1507-1518 (1992)
	BM-1	Yokata, T., "The Structure, Biosynthesis and Function of Brassinosteroids," <i>Trends Plant Sci.</i> <u>2</u> (4):137-143 (1997)
	BN-1	GenBank Accession number: AF044216 <i>March, 1998</i>
	BO-1	GenBank Accession number: X87368 <i>October, 1996</i>
	BP-1	GenBank Accession number: U54770 <i>October, 1996</i>
	BQ-1	GenBank Accession number: M13785 <i>April, 1993</i>
	BR-1	GenBank Accession number: D64003 <i>October, 1997</i>

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In the Application of AZPIROZ et al.

Serial No.: 09/502,426

Art Unit: Unassigned

Filed: February 11, 2000

Examiner: Unassigned

Title: *dwf4* POLYNUCLEOTIDES, POLYPEPTIDES AND USES THEREOF

Exam. Init.	Ref. Desig.	Description
<i>AM</i>	BS-1	GenBank Accession number: U32579 <i>September, 1995</i>
<i>↓</i>	BT-1	GenBank Accession number: U68234 <i>November, 1996</i>
<i>↓</i>	BU-1	GenBank Accession number: X70981 <i>January, 1994</i>
<i>↓</i>	BV-1	GenBank Accession number: P48421 <i>October, 2000</i>
<i>↓</i>	BW-1	GenBank Accession number: AL049659 <i>April, 2000</i>
<i>↓</i>	BX-1	GenBank Accession number: P48418 <i>December, 1998</i>
<i>↓</i>	BY-1	GenBank Accession number: X71658 <i>November, 1993</i>

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In the Application of AZPIROZ et al.

Serial No.: 09/502,426

Art Unit: 1638

Filed: February 11, 2000

Examiner: A. Mehta

Title: *dwf4* POLYNUCLEOTIDES, POLYPEPTIDES AND USES THEREOF

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
	AA-1						

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES NO
	AB-1						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
AM	AC-1	Akama et al., "Efficient Transformation of Arabidopsis Thaliana: Comparison of the Efficiencies With Various Organs, Plant Ecotypes and Agrobacterium Strains," <i>Plant Cell Rep.</i> <u>12</u> :7-11 (1997)
AM	AD-1	Choe et al., "The Arabidopsis <i>dwarf1</i> Mutant is Defective in the Conversion of 24-Methylenecholesterol to Campesterol in Brassinosteroid Biosynthesis," <i>Plant Physiol.</i> <u>119</u> :897-907 (1999)
AM	AE-1	Waycott et al., "Phenotypic Characterization of the <i>dwarf-4</i> Mutant of Lettuce," <i>Can. J. Bot.</i> <u>72</u> :1541-1549 (1994)
	AF-1	Waycott et al., "Phenotypic Characterization of the <i>dwarf-4</i> Mutant of Lettuce," <i>Can. J. Bot.</i> <u>72</u>:1541-1549 (1994).

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